

# Hillsboro Sustainability Task Force: Indicators Assessment Matrix

August 28, 2014 (DRAFT)

## Sustainability Focus Area: Resource Recovery and Renewal

### Goals:

- Reduce waste stream volumes
- Repurpose current waste stream elements for beneficial use
- Pursue a “one water” use and reuse strategy

Potential Indicator	Target/Timeline	Notes	Use?	Data Source	Pilot Project Options
<b>Solid Waste Reduction and Reuse</b>					
1. Total per capita waste collected by franchised waste haulers	25% decrease in per capita waste generation from 2015 baseline by 2025.	DEQ has proposed statewide goals for reduction of waste generation of 25% by 2025 and 40% or better by 2050 against a 2012 baseline.		Monthly collection reports/ ReTRAC (County) and City Direct Cost Reports (DCRs).	<ul style="list-style-type: none"><li>• Promote opt-out programs (paper reduction)</li><li>• Encourage proper backyard composting (yard waste and vegetative food)</li><li>• Encourage durable goods vs. disposable at businesses (pallets, food service-ware, shipping packaging)</li><li>• Reuse projects (encourage donation from homes; durable goods swap at multifamily communities; building materials reuse and donation; MIEX and Resourcefull Use for business)</li><li>• Coordinate with haulers to identify and develop new metrics</li></ul>

<p>2. Amount of solid waste recovered (i.e., recycling, composting, waste to energy)</p>	<p>Achieve a calculated recovery rate of materials collected by franchised haulers of at least 40% by 2025. Currently ~30%</p> <p>(subject to revisions in order to align with DEQ goals)</p>	<p>DEQ is proposing 55% diversion goal for the state by 2025; Metro region goal will be higher. Note that state is including materials that we do not, so not exactly analogous but we state here for context</p> <p>Currently franchised collection recovery sits at ~30%. Will need to do more work to get at more accurate number if in fact this indicator is approved (to take into consideration of Material Recovery Facility (MRF) sorting of dry loads, etc)</p>		<p>Monthly collection reports/ ReTRAC (County) and City Direct Cost Reports.</p>	<ul style="list-style-type: none"> <li>• Increase household participation in curbside recycling programs (mixed, glass and organics)</li> <li>• Ensure all business' are BRR compliant; encourage businesses to request RAW assistance</li> <li>• Ensure households at multifamily communities have access to mixed recycling and glass collection service</li> <li>• Identify recycling options for other materials (hub and spoke for plastic film, etc)</li> <li>• Mandatory source separation of metal, cardboard and wood</li> <li>• Track and incentivize deconstruction over demolition</li> <li>• Offer reduced permit fees or fast tracking for structures that meet recovery requirements</li> <li>• Require recovery plans for projects of a certain \$ threshold</li> <li>• Promote the C&amp;D toolkit</li> <li>• Set up permanent green building/resource efficient building kiosk in Bldg Dept lobby</li> <li>• Adopt a rate structure that incentivizes food scrap collection ideally without subsidy from other customers</li> <li>• Provide technical assistance to set up food scrap collection through RAW program</li> <li>• Capture grease waste for use in CWS anaerobic digester</li> </ul>
<p>3. Commercial business participation in recycling programs</p>	<p>Net annual increase in businesses certified as RAW award winners</p>	<p>Possible nexus to City-specific sustainability recognition program identified in H2020</p>		<p>Washington County RAW program</p>	<ul style="list-style-type: none"> <li>• Encourage businesses to adopt Recycle at Work (RAW) practices regarding waste prevention (food donation, paper waste prevention)</li> </ul>

One Water: Treatment and Renewal					
4. Percentage of water treated before entering stream system	Net increase in # of projects underway to enhance water pretreatment (to establish 2014 baseline with CWS staff)	<p>One Water strategy treats stormwater/wastewater as phases in the overall water cycle.</p> <p><i>"One Water"</i> concept: waste water, storm water, tap water, streams, rivers and other forms of water are ultimately the same water in different places and stages. The goal is to treat, recapture and/or maximize beneficial use at each stage and protect/preserve all water resources.</p>		CWS	<ul style="list-style-type: none"> <li>• Incrementally install green infrastructure to newly developing portions of City; retrofit older sections</li> <li>• Community/neighborhood/business rain garden projects (e.g. Epson bioswale)</li> <li>• School/public domain demonstration projects</li> <li>• Wetland restoration projects</li> <li>• Build incentives and or rules into code for new development (e.g. Amberglen, South Hillsboro)</li> <li>• Recovery of nutrients from water streams</li> </ul>
5. Amount of water reclaimed for beneficial use	Net increase in gallons of water restored to beneficial use (to establish 2014 baseline with CWS staff)	Short term reclamation and tributary supplement; Long term reclamation and use for irrigation, industry		CWS	<ul style="list-style-type: none"> <li>• Reclaimed Water Pilot Project: Rood Bridge Park Irrigation</li> <li>• Creation of energy, fertilizer or biogas at treatment plants</li> </ul>